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Docket: C1039/7057 (HCL/MAT)

SEQUENCE LISTING

<110> Davis, Heather L.  
Krieg, Arthur M.  
Schorr, Joachim  
Wu, Tong

<120> Vectors and Methods for Immunization or  
Therapeutic Protocols

<130> C1039/7057 (HCL/MAT)

<140> not yet assigned

<141> - -

<150> US 09/082,649

<151> 1998-05-20

<150> US 60/047,233

<151> 1997-05-20

<150> US 60/047,209

<151> 1997-05-20

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20

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21

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090910-090904

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094640.094641



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<210> 46  
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090601 0904  
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<210> 50  
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<222> (0)...(0)  
<223> Has a phosphorothioate backbone.

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<210> 52  
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<212> DNA  
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<220>  
<223> synthetic oligonucleotide  
  
<221> misc\_feature  
<222> (0)...(0)  
<223> Has a phosphorothioate backbone.

<400> 52  
ggggtcaacg ttgagggggg 20

<210> 53  
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093640.09364

<212> DNA  
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<220>  
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<400> 53 20  
tccaggactt tcctcaggtt

<210> 54  
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<400> 54 20  
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<210> 55  
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<400> 55 20  
cccccccccc ccccccccc

<210> 56  
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<221> misc\_feature  
<222> (0)...(0)  
<223> Has phosphodiester backbone.

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<210> 57  
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<220>  
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<400> 57 20  
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0966104-09661

<210> 58  
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<220>  
<223> synthetic oligonucleotide  
  
<221> misc\_feature  
<222> (0)...(0)  
<223> Backbone is phosphorothioate--phosphodiester  
chimera

<400> 58  
tccatgacgt tcctgacgtt 20

<210> 59  
<211> 20  
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<221> misc\_feature  
<222> (0)...(0)  
<223> Has SOS-ODN backbone with two S-linkages at the 5'  
end, five S-linkages at the 3' end, and O-linkages  
in between.

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<210> 60  
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<400> 60  
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<210> 61  
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09664.6564  
T09664.6564

<210> 62  
<211> 20  
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<220>  
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<400> 62 20  
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<210> 63  
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<400> 63 20  
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<210> 64  
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<400> 64 20  
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<210> 65  
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<400> 65 20  
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<210> 66  
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<221> misc\_feature  
<222> (0)...(0)  
<223> Backbone is a phosphorothioate--phosphodiester chimera.

0095104 093604

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<210> 67  
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<400> 67  
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<210> 68  
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<222> (0)...(0)  
<223> Has a phosphodiester backbone.

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<400> 69  
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<210> 70  
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<210> 71  
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0995101 092564

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<210> 72  
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<400> 72 20  
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<210> 76  
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0996401 09964



<220>  
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<400> 76 20  
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<210> 77  
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<223> plasmid DNA wild-type Kanamycin resistance gene

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<211> 1360

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<220>

<223> plasmid DNA mutant Kanamycin resistance gene

<400> 81

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aatctgctgc	ttgcaaacaa	aaaaaccacc	gctaccagcg	gtggtttggt	tgccggatca	1200
agagctacca	actctttttc	cgaaggtaac	tggcttcagc	agagcgcaga	taccaaatac	1260
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<211> 269

<212> PRT

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<220>

<223> mutant Kanamycin resistance gene

<400> 82

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